

09/08/02
STN/Eair
Search Strategy

Attacher #11

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(FILE 'HOME' ENTERED AT 11:12:49 ON 02 MAY 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:12:54 ON 02 MAY 2002

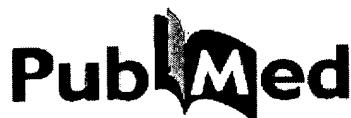
L1 35271 S PHOSPHOLIPASE (2N) A2
L2 68 S L1 (5N) SN-2
L3 39 DUP REM L2 (29 DUPLICATES REMOVED)
L4 2 S L3 AND (CDNA OR CLON?)

FILE 'STNGUIDE' ENTERED AT 11:14:18 ON 02 MAY 2002

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 11:16:29 ON 02 MAY 2002

L5 3 S L3 AND SEQUENCE

FILE 'STNGUIDE' ENTERED AT 11:17:17 ON 02 MAY 2002



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#16	Search becker AND miller Field: All Fields , Limits: Publication Date to 1998	11:24:21	117
#12	Related Articles for PubMed (Select 10024493)	11:12:21	159
#10	Search phospholipase AND a2 AND sn-2 Field: Title/Abstract, Limits: Publication Date to 1998	11:09:59	253
#7	Search phospholipase AND a2 AND sn-2 Field: Title, Limits: Publication Date to 1999	11:08:52	5
#6	Search phospholipase AND a2 AND sn-2 Field: Title/Abstract, Limits: Publication Date to 1999	11:08:40	270
#5	Search phospholipase AND a2 AND sn-2	11:08:28	307
#3	Search mancuso AND jenkins	10:55:10	5
#1	Search tanaka AND takeya	10:53:35	18

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sparc-sun-solaris2.8 Apr 15 2002 15:51:10

L4 ANSWER 1 OF 2 MEDLINE
AN 96361433 MEDLINE
DN 96361433 PubMed ID: 8713499
TI Regulation of rat kidney mesangial cell phospholipase A2.
AU Hack N; Tay A; Schultz A; Muzin N; Clayman P; Egan S; Skorecki K L
CS MRC Group in Membrane Biology, University of Toronto, Ontario, Canada.
SO CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, (1996 Jan) 23 (1)
71-5. Ref: 46
Journal code: DD8; 0425076. ISSN: 0305-1870.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199612
ED Entered STN: 19970128
Last Updated on STN: 19970128
Entered Medline: 19961203
AB 1. The precursor of eicosanoids is arachidonic acid, which emanates from the cleavage of the **sn-2** position of phospholipids by **phospholipase A2** (PLA2). Eicosanoids have diverse physiological and pathophysiological effects in the kidney. The regulation of phospholipase A2 has important implications for kidney function. 2. In the current communication we focus our attention on mesangial cell cytosolic PLA2 (cPLA2) and its regulation at the post-translational and post-transcriptional level. 3. At the post-translational level, using site directed mutagenesis of cPLA2 and a dominant negative ras, we have demonstrated that cPLA2 can be phosphorylated by mitogen activated protein (MAP-2) kinase leading to increased cPLA2 enzymatic activity. 4. At the post-transcriptional level we show that the half-life of cPLA2 mRNA in mesangial cells is significantly increased when mesangial cells are stimulated by mitogens. We further demonstrate the presence of three ATTTA motifs in the 3' untranslated region (3' UTR) of the cPLA2 **cDNA**.
5. Using chimeric constructs bearing the 3' UTR from rat cPLA2 fused downstream of the luciferase reporter, we demonstrate that this region exerts a destabilizing effect on cPLA2. 6. We have isolated and mapped genomic DNA and polymorphic markers for cPLA2 in the human and rat.

	Type	L #	Hits	Search Text	DBs	Tim Stamp	Comments
5	BRS	L29	136	I1 and beta and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:08	
6	BRS	L36	40	I29 and sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:09	
7	BRS	L43	28	I1 near10 sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:10	
8	BRS	L50	6	I43 and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DB	2002/05/02 12:10	

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1	BRS	L1	1559	phospholipase near2 a2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DR	2002/05/02 11:50	
2	BRS	L8	18	I1 near5 sn-2	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DR	2002/05/02 12:10	
3	IS&R	L15	3	("5466595").PN.	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DR	2002/05/02 12:06	
4	BRS	L22	48636 59	s I1 and beta and oxidation	USPA T; US-P GPUB ; EPO; JPO; DER WEN T; IBM_T DR	2002/05/02 12:08	